Millers Falls Electric Tools

To meet present day requirements for service and work output, no effort has been spared to make this line one of outstanding value to the user of electrical shop equipment.

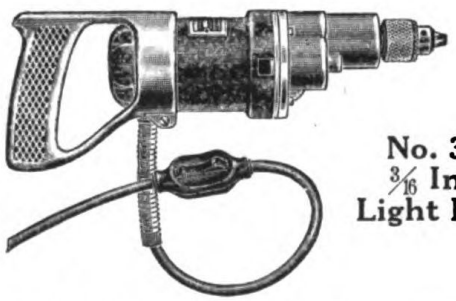
Millers Falls Drills, screwdrivers, sanders, and portable grinders are equipped with powerful, series wound motors, universal for D.C. or A.C. up to 60 cycles, and are so designed that they will withstand very great overloads at intervals. These motors are carefully tested for insulation, failure, balance and horse power.

Armature and thrust bearings are of the heavy ball bearing type, while the oversized spindle bearings are of bronze, having a spiral return oil groove.

SPINDLES and GEARS are of chrome-nickel steel, hardened and ground to close tolerances, the pinions, being cut integral with the shaft while the gears are pressed and keyed on. To insure proper meshing, pinions and gears are carefully gauged and burnished.

THE OPERATOR'S COMFORT is greatly increased by the use of aluminum alloy-die castings, extra large breast plate and spade handles, specially designed switch handles and well balanced units of light weight.

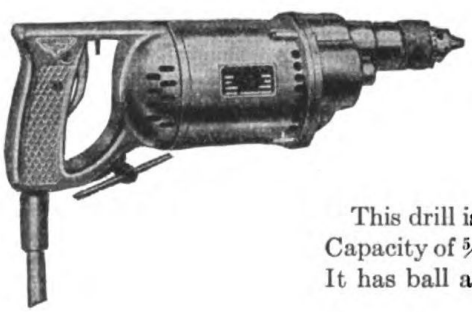
Millers Falls Electric Drills

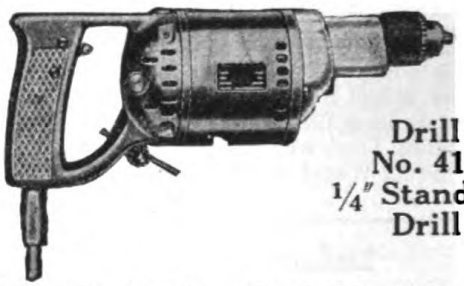


No. 316
3/16 Inch
Light Duty

A Special Aeroplane Drill with Molded Composition Case non conductor of heat or electricity. It fits the hand perfectly and can be used in places inaccessable to ordinary hand or electric drills. A light powerful and attractive tool. Handle detachable for work in close quarters.

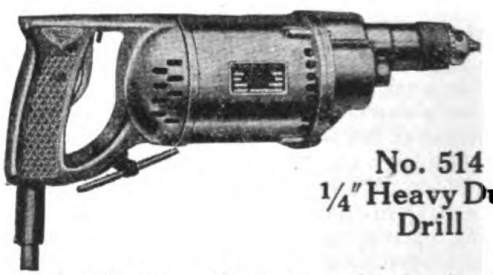
No. 214. 1/4-in. Light Duty Drill similar to the No. 316 and suitable for occasional use in small shops or garages. Not recommended for heavy or continuous work. It is equipped with bronze armature bearings.





Drill
No. 414
1/4" Standard
Drill

An ideal tool for removing carbon from Auto-cylinder heads. Drilling lead holes, for wood screws, etc. Spindle is offset for close drilling in metal or wood. Ball armature and thrust bearings.



No. 514
1/4" Heavy Duty
Drill

A powerful drill for continuous production in automobile and other factories. The proper tool for honing Auto Valve Seats. Ball Armature and Thrust Bearings.

No. 516—5/16 in. Drill

This drill is simular in construction to the No. 514, but with a Chuck Capacity of 5/16 in. and a slower speed. Adapted for drilling alloy metals. It has ball armature and Thrust Bearings.

Specifications and Prices

Drill No.	Capacity In.	Speed		Weight Lbs.	Voltages	Price	Special Speed	Price Extra
		No Load R.P.M.	Full Load R.P.M.					
316	3/16	1300	1800	3 1/8	32, 110, 150, 220, 250	**$36.00**	3000	$2.50
214	1/4	1800	1000	5	32, 110, 150, 220, 250	**25.00**	3000	2.50
414	1/4	1800	1000	5 1/2	32, 110, 150, 220, 250	**30.00**	3000	2.50
514	1/4	2000	1200	7 1/4	32, 110, 150, 220, 250	**40.00**	2000	2.50
516	5/16	1500	800	7 1/2	32, 110, 150, 220, 250	**42.00**	.....	.....

Bench Drill Stand for Above Drills, Price $14.00

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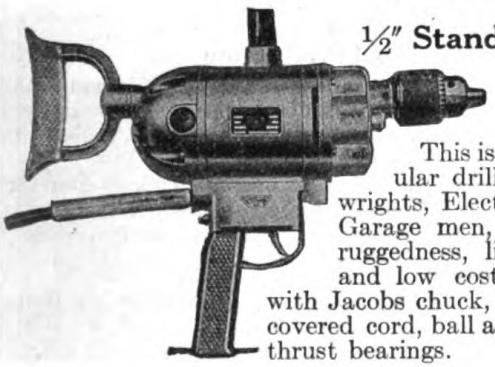
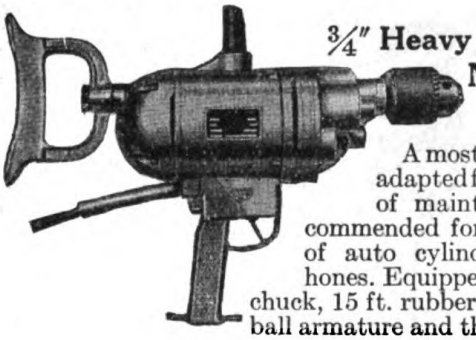
Millers Falls Electric Tools



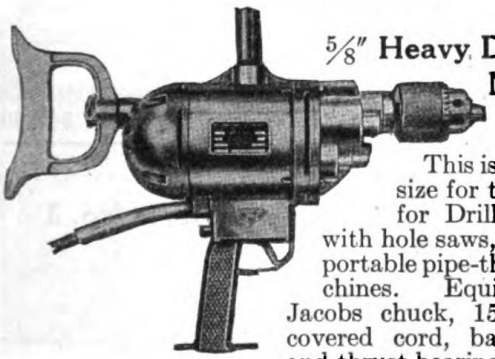
1/2" Standard Drill No. 312

This is a most popular drill with Millwrights, Electricians, and Garage men, due to its ruggedness, light weight and low cost. Equipped with Jacobs chuck, 15 ft. rubber covered cord, ball armature and thrust bearings.



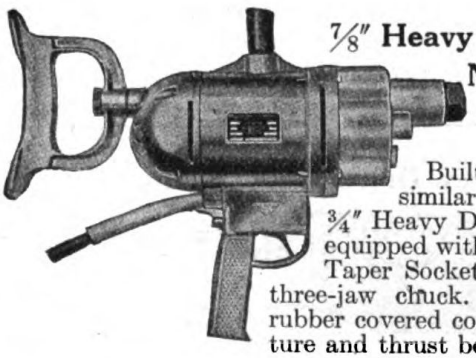
3/4" Heavy Duty Drill No. 734

A most powerful drill adapted for the heaviest of maintenance work. commended for the grinding of auto cylinders with set hones. Equipped with Jacobs chuck, 15 ft. rubber covered cord, ball armature and thrust bearings.



5/8" Heavy Duty Drill No. 658

This is an excellent size for the Plumber, for Drilling, cutting with hole saws, and driving portable pipe-threading machines. Equipped with Jacobs chuck, 15 ft. rubber covered cord, ball armature and thrust bearings.



7/8" Heavy Duty Drill No. 678

Built along lines similar to No. 734—3/4" Heavy Duty Drill, but equipped with No. 2 Morse Taper Socket instead of a three-jaw chuck. Has 15 ft. rubber covered cord, ball armature and thrust bearings.

Drill No.	Capacity Inches	Speed		Wgt. Lbs.	Lgth. In.	Motor	Voltages	Price	Special Speed R. P. M.	Price Extra
		No. Load	Full Load							
538	3/8	1000 RPM	600 RPM	13 3/4	18	Univ.	32, 110, 150, 220, 250	$45.00	.....	.....
312	1/2	475 RPM	300 RPM	14	17	Univ.	32, 110, 220, 250	45.00	.....	.....
612	1/2	650 RPM	350 RPM	15	20	Univ.	32, 110, 150, 220, 250	60.00	1000	$2.50
658	5/8	475 RPM	300 RPM	20	19 1/4	Univ.	110, 150, 220, 250	68.00	700	2.50
634	3/4	475 RPM	300 RPM	20 1/4	19 3/4	Univ.	110, 150, 220, 250	70.00	.....	.....
734	3/4	400 RPM	200 RPM	21 1/2	20 1/2	Univ.	110, 150, 220, 250	78.00	.....	.....
678	7/8	375 RPM	190 RPM	20 1/2	18 3/4	Univ.	110, 150, 220, 250	80.00	.....	.....

Bench Drill Stands

No. 1514 Bench Drill Stand

No. 1514 Stand

For use with End Handle Drills Nos. 214-414-514-516. Distance from chuck to base 13 1/4 ins. Overall height 28 ins. Base 9"x8".

Price.....$14.00

No. 1238 Stand

For use with drills above 5/16". Drills can be attached to or taken out of stands readily. Height 36 ins. Distance fom clutch to table 16 in. Base 10" x10".

Price.....$18.00

No. 1238 Bench Drill Stand

Chuck and Spindle

No. 1034

A 3 Jaw Jacobs Chuck 3/4" capacity. Furnished with a No. 2 Morse taper spindle for use on the No. 678. 7/8" electric drill.

Price.....$12.00

Feed Screw No. 1524

It is interchangeable with the breast plate and by its use greater feeding pressure may be secured than is possible by body pressure, especially in difficult places. It is made to fit all electric drills from 3/8" up.

No. 1524. Price.....$3.50

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Millers Falls Electric Tools

No. 0 Screw Driver

A Radical Departure in Electric Tool Production

An adjustable clutch may be set at the required tension to kick out when small wood screws, machine screws or nuts have been driven to the degree of tightness desired without vibration or noise. This speeds up jobs, now being done with hand tools, with less fatigue to the operator and with less danger of marring the work.

Light weight and short length make it an ideal tool for working in close quarters while fast, smooth and comfortable operation is insured by a powerful, ball-bearing motor housed in a strong Racolite case, non-conductive of heat and electricity.

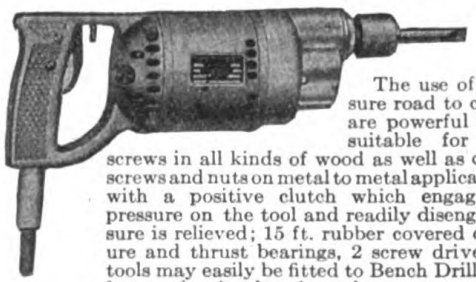
Specifications

It will drive No. 6 Screws in hard wood. No. 10 machine Screws, 3/16 inch Stove Bolts.
No load speed 1200 R.P.M. Length 10¾". Weight 3 lbs. 5 oz.
Ball bearings on armature and Clutch Spindle Gears.
Pinions and Spindles are Chrome Nickel Steel, heat treated.
Brushes are accessible from outside.

Equipment

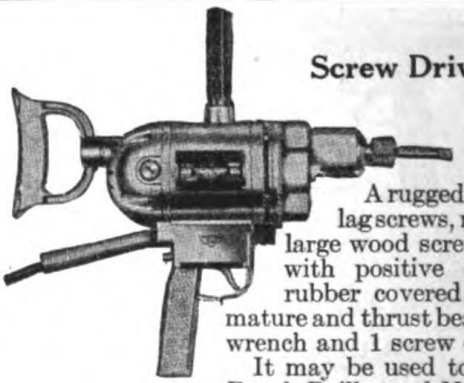
Toggle Switch, 12 ft. rubber covered cord with armored plug, auxiliary handle, extra brushes, bits and sleeves.
Price, each..... **$42.00**

Screw Drivers Nos. 1 and 2



The use of these tools is a sure road to cost cuts. They are powerful and fast, being suitable for driving wood screws in all kinds of wood as well as driving machine screws and nuts on metal to metal applications. Equipped with a positive clutch which engages by forward pressure on the tool and readily disengages when pressure is relieved; 15 ft. rubber covered cord, ball armature and thrust bearings, 2 screw driver bits. These tools may easily be fitted to Bench Drill stand No. 1514 for production bench work.

Screw Driver No. 3



A rugged tool for driving lag screws, nuts, studs, and large wood screws. Equipped with positive clutch, 15 ft. rubber covered cord, ball armature and thrust bearings, 1 socket wrench and 1 screw driver bit.

It may be used to advantage in Bench Drill stand No. 1238.

No.	Capacity			Speed No Load	Wght. Lbs.	Lgth. In.	Motor	Voltages	Price
	Wood Screw, In.	Lag Screw, In.	Nut, In.						
1	2 No. 12	.....	.....	500 RPM	6	12¼	Univ.	32, 110, 220, 250	$48.00
2	3¼ No. 16	5/16x4	3/8	500 RPM	8¼	14	Univ.	32, 110, 150, 220, 250	64.00
3	4 No. 20	3/8x4½	½	500 RPM	14	14¾	Univ.	32, 110, 150, 220, 250	88.00

Special Speeds 700 or 1000 RPM, extra..... $ 2.50
Reversing Switch, extra..... 10.00

Standard Screw Driver Bits 2½" Length

Screw Size.....	6	8	10	12	14	16	18	20	Price
Without Sleeve No.....	6	8	10	12	14	16	18	20	**$1.00**
With Sleeve No.....	6S	8S	10S	12S	14S	16S	18S	20S	**1.50**

Special Screw Driver Bits

1" length, without sleeve. Price..... **$1.00**
4", 6", 8" lengths, without sleeve. Price..... **1.50**
4", 6", 8" lengths with sleeve. Price..... **2.00**

Socket Wrenches Complete with Shanks

Size across Flats.....	3/8	7/16	½	9/16	19/32	5/8	11/16	¾	25/32	13/16	7/8	15/16	1
Hexagon Nos.....	7512	7514	7516	7518	7519	7520	7822	7824	7825	7826	7828	7830	7832
Price, 2 inch Shanks.....	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.65	$1.65	$1.65	$1.75	$1.75
Price, 4 inch Shanks.....	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.75	1.75	1.75	1.90	1.90
Price, 6 inch Shanks.....	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.90	1.90	1.90	2.00	2.00

Square Numbers.....	07512	07514	07516	07518	07519	07520	07822	07824	07825	07826	07828	07830	07832
Price, 2 inch Shanks.....	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.65	$1.65	$1.75	$1.75	$1.75	$2.00	$2.00
Price, 4 inch Shanks.....	1.65	1.65	1.65	1.65	1.65	1.65	1.75	1.75	1.90	1.90	1.90	2.15	2.15
Price, 6 inch Shanks.....	1.75	1.75	1.75	1.75	1.75	1.75	1.90	1.90	2.00	2.00	2.00	2.25	2.25

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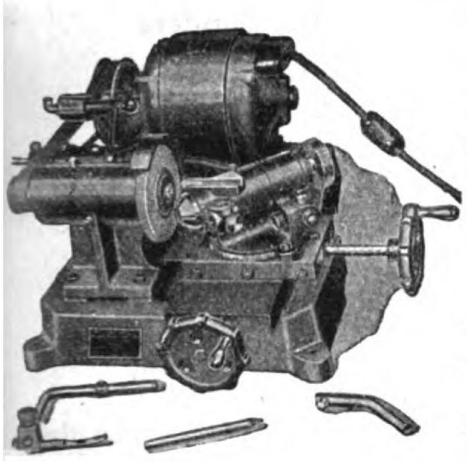
Millers Falls Electric Tools

Valve Refacer



This is a precision tool, guaranteed to work within an accuracy limit of .001 inch.

It will accommodate Ford Model A valves and all others having stems of ¼" to ½" diameters, and face angles of 30 to 60 degrees. **This covers about 95% of the valves used in the automotive field.** Reseating cutters of 20 to 75 degrees may also be accurately sharpened on this grinder.

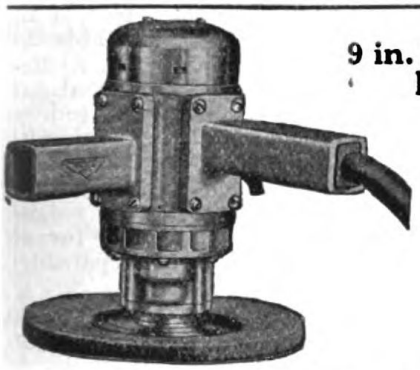
A universal, double grip collet is used to hold this valve the way it is held in the motor in order that a new face may be ground on the valve, concentric with the stem.

Specifications

Capacity. Valve stems ¼"-½"—Angles 20°-75°.
Wheel size. 4" diameter x ⅜" face x ⅝" hole—50 grain.
Collet. Universal double grip collet.
Bearings. Wheel head-ball, all others—sleeve.
Lubrication. Oil.
Base. 18½" x 13"—**Weight.** 98 lbs.
Motor. ¼ H.P., A.C. or D.C., ventilated (not universal).
Voltages. A.C. 110, 220-60 cycle, single phase: D.C.—115.
Cord. 10 ft.
Switch. Positive make and break.
Equipment. Diamond wheel dresser, cutter index gauge, cutter index fixture.

Price, each..... **$96.00**
Rocker Arm Grinding Attachment. Extra..... **7.50**

9 in. Disc-Sander No. 809



This powerful sander has been designed to meet the needs of manufacturers and repairers of metal products, which require smoothing before painting: such as, auto bodies, metal furniture, machine tools, castings, refrigerators, etc. May be used with a lamb's wool pad for polishing.

A CENTRIFUGAL DIRT SEPARATOR is employed at the commutator end of the unit to throw off dirt particles that otherwise would be drawn into the motor by the cooling fan.

The tool is equipped with ball armature and thrust bearings, 15 ft. 3 wire rubber covered cord, 9" flexible and metal backed pad, 12 abrasive discs.

Speed, 2600 R.P.M. Weight 12 lbs. Voltages, 110, 150, 220, 250. Price..... **$90.00**

Sander Accessories

No. 8091 Spindle Extension.
This is used with the cup grinding wheel and wire wheel listed below..... **$2.00**
No. 8092 Four Inch Cup Grinding Wheel..... **2.50**
No. 26—⅝", Six Inch Wire Brush..... **3.25**
No. 8093 Seven Inch Felt Pad..... **2.00**
No. 8094 Nine Inch Felt Pad..... **2.00**
No. 8095 Seven Inch Lambs Wool Pad Complete. **2.75**
No. 8096 Nine Inch Lambs Wool Pad Complete.. **4.00**
No. 8097 Seven Inch Lambs Wool Replacement Pad..... **1.00**
No. 8098 Nine Inch Lambs Wool Replacement Pad..... **1.50**
Extra Abrasive Discs..... **.40**

6 in. Portable Grinder No. 406

This is an ideal tool for the foundry and welding shop.

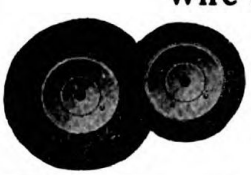
Equipped with a CENTRIFUGAL DIRT SEPARATOR travelling at motor speed to throw off grit that would otherwise enter the motor, ball armature and spindle bearings, eyebolt for spring suspension, 15 ft. rubber covered cord, and powerful universal motor.

Wheel size 6"x1" Speed no load 3800 R.P.M.
Weight, 23½ lbs. Length, 23½ in.
Voltages, 110, 150, 220, 250
Price..... **$90.00**

Portable Grinder Accessories

Suspension Spring..... **$1.00**
Wire Wheel, 6"x1⅛" No. 26..... **3.25**
Grinding Wheel, 6"x1"x⅝"..... **3.00**

Wire Wheel Brushes



Arbor Bushings can be furnished in ⅜", ½", ⅝", ¾", ⅞", 1" or 1¼" arbor hole.

Number	Diam. In.	Width, In.	Complete with Arbor Bushings
24	4	1	**$2.25**
26	6	1⅛	**3.25**
28	8	1½	**3.75**
210	10	2	**6.75**
212	12	2½	**8.50**

Extra Arbor Bushings, per set **$0.20**

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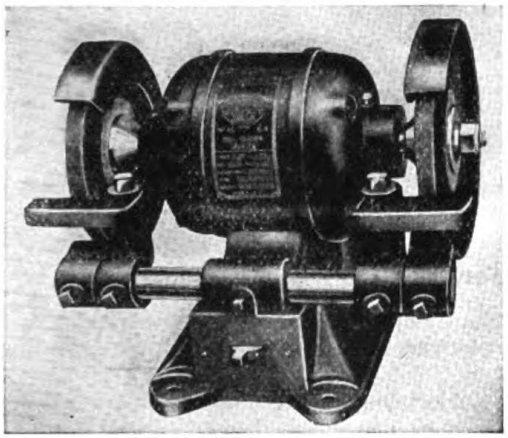
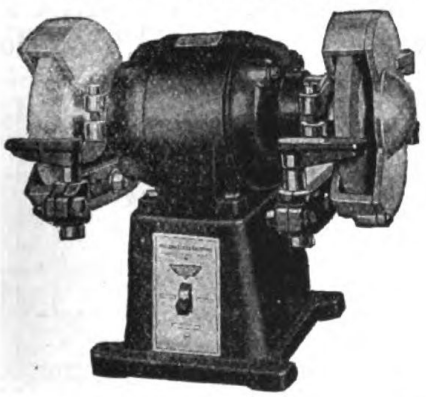
Millers Falls Electric Tools

No. 66 6″ Bench Grinder



A 6″ grinder designed for the small shop having limited use for such a tool. Equipped with ¼ H.P., ball bearing motor, adjustable guards and tool rests, toggle switch. Furnished in 110, 220 v-A.C.-60c-1 phase, 115, 230 v-D.C.-speed 3500 R.P.M., 110V-A.C.-25c-1 phase, Speed 1450 R.P.M. Wheel size 6″x½″x½″; Wt. 41 lbs. Price.....**$35.00**

No. 506 6″ Bench Grinder



Equipped with ¼ H.P., ball bearing motor, enclosed wheel guards, adjustable tool rests, toggle switch. Furnished in 110, 220 v.-A.C.-60, 30, 25 cycle 1 phase; 32, 115, 230 v.-D.C. Currents. Speed 3450 R.P.M., Wheel size 6″x½″x½″, weight 51 lbs.

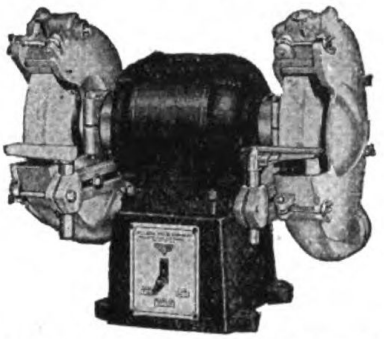
Price, A.C.....**$46.00**
Price, D.C.....**48.50**

No. 1506 6″ Pedestal Grinder

Specifications same as No. 506 Grinder, except being mounted on floor pedestal complete with tool shelf and water pot. Weight 144 lbs.

Price, A.C.....**$80.00**
Price, D.C.....**62.50**

No. 510 10″ Bench Grinder



A powerful grinder, equipped with ¾ H.P., ball bearing motor, enclosed guards, adjustable spark shields and tool rests, exhaust blower connections, toggle switch. Furnished in 110, 220 v.-A.C.-60, 50, 30, 25 cycles, 1 phase, 220, 440, 550 v.-A.C.-60 cycle, 3 phase currents; Speeds: A.C.-30 and 60 cycle, 1725 R.P.M., A.C. 25 and 50 cycle, 1425 R.P.M., Wheel size 10″x1″x¾″, weight 155 pounds.

Price.....**$125.00**

No. 1510 10″ Pedestal Grinder

Specifications same as No. 510 Grinder except mounted on floor pedestal complete with tool shelf and water pot. Weight 255 lbs.

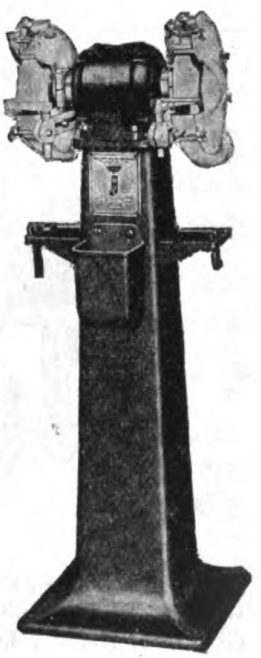
Price.....**$149.00**

No. 710 10″ Bench Grinder

Construction and lines similar to Nos. 510 and 1510, except of the heavy duty type, being furnished with 1 H.P. motor fully enclosed. Complete with tumbler switch. Wheels are fully enclosed with guard.

25 and 50 cycle, 1425 R.P.M.
30 and 60 cycle, 1725 R.P.M.
All D.C., 2100 R.P.M.

Volts	Phase	Cycle	Price
220–440	2 and 3	60C	**$145.00**
220–440	3	25C	**165.00**
550	3	60C	**145.00**
110–220	Single	60C	**145.00**
110–220	Single	30–25C	**165.90**



No. 1710

No. 1710 10″ Pedestal Grinder

Specifications same as No. 710 Grinder except mounted on floor pedestal with tool shelf and water pot. Weight, 305 lbs.

Price add **$24.00** to Price of No. 710.

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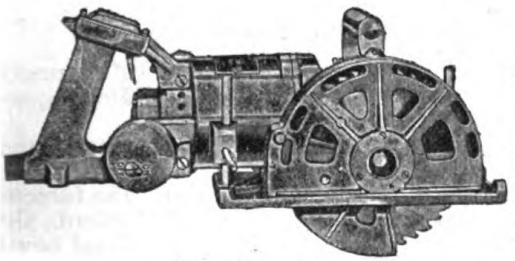
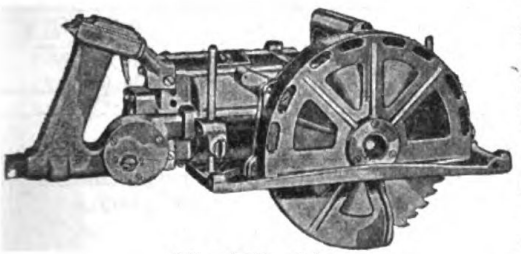
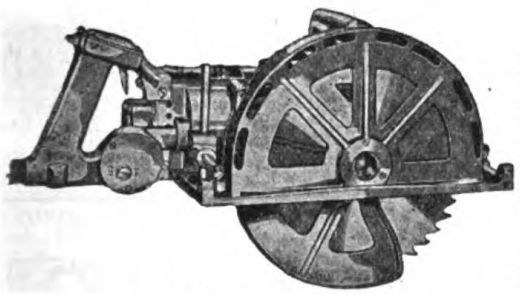
Millers Falls Electric Saws



No. 102—2 in.



No. 103—3 in.



No. 104—4 in.

Powerful—Safe—Speedy

Equipped with powerful motors and large ball bearings throughout, these saws are designed to give maximum cutting power at the saw tooth.

They may be easily adjusted to straight cut from 0″ to capacity depth and to bevel cut to 45 degrees which means that there is a Millers Falls saw suitable to meet the needs of present day construction methods whether it be the cutting of floor boards and bridging or the framing of jack rafters.

Safety First is of prime importance and the operator is 100% protected:

First. By a guard which houses the saw when not cutting and telescopes back into its upper half when the saw is in use;

Second. By a trigger switch that automatically shuts off the current when released;

Third. By a supplementary toggle switch which cuts out the motor by opening the opposite side of the power line, thereby further lessening the possibility of accident when the saw is not in use.

By using proper blades and cutting discs, the hard work and long time consumed in the cutting by hand of wood, plaster board, gypsum, limestone, slate, and marble is greatly reduced.

An air duct keeps the cutting edge clear. A prominent indicator makes it easy to follow a line. Saw is perfectly balanced and easily handled.

Specifications

No.	Capacity		Speed No Load	Saw		Motor	Voltages	Switch	Cord 3 Wire Ft.	Guard	Weight		Price Each
	Straight Cut, In.	45°angle Cut, In.		Dia. In.	Hole In.						Net Lbs.	With Case Lbs.	
102	2	½	2000	7	¾	Univ.	110, 130, 150 220, 250	Trigger Safety	14	Safety	20	36	**$120.00**
103	0	1¼	2000	9	¾	Univ.	110, 130, 150 220, 250	Trigger Safety	14	Safety	25	43	**150.00**
104	4	1¾	2000	11	¾	Univ.	110, 130, 150 220, 250	Trigger Safety	14	Safety	27	48	**180.00**

Extra Saw Blades and Discs—Prices Each

Size Blade Inches	Rip Saw for Fast Ripping in Wood	Cross Cut Saw for Smooth Cross Cutting	Combination Saw for Ripping and Cross Cutting	Planer Saw for Smooth Interior Finish	Abrasive Discs for Cutting Slate, Marble, Tile, Etc.
7	**$5.00**	**$5.00**	**$5.00**	**$ 8.00**	**$3.00**
9	**6.50**	**6.50**	**6.50**	**10.00**	**4.00**
11	**8.00**	**8.00**	**8.00**	**12.50**	**5.50**

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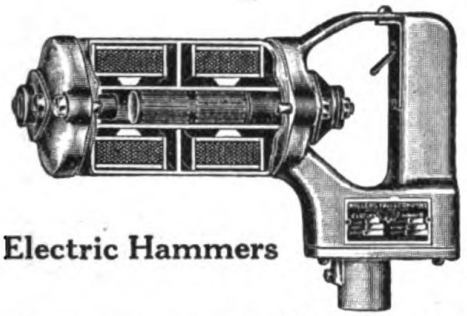
Millers Falls Electric Tools



Electric Hammers

The cut at left is a typical cross section of all Millers Falls Electric Hammers.

They are most simple in design and rugged in construction.

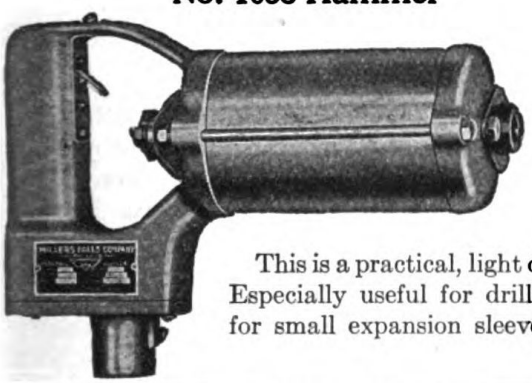
A controller, which is a part of every outfit, automatically transfers the current from one coil to the other. These coils, when energized, are powerful electro-magnets, which attract the piston back and forth, striking 3600 sharp blows per minute on the tool.

The Piston is the Only Moving Part. There are no motors, gears, eccentrics, or shafts to need constant repair or replacement.

These hammers are unexcelled for drilling, chipping, channeling in masonry, concrete, brick or tile. They are used for dressing buhr and mill stones, cutting oil grooves in machine castings, vibrating concrete forms to insure even settling, drilling for anchor bolts and expansion sleeves, cutting insets or through walls, scaling or cleaning walls and floors, and hundreds of other jobs in every industry.

They cost little to operate and their upkeep is negligible. They often pay for themselves on a single job.

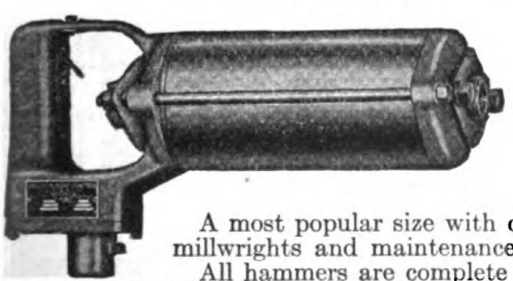
No. 1058 Hammer



This is a practical, light duty tool. Especially useful for drilling holes for small expansion sleeves.

Hammer No.	1058	1816	2416	3216
Voltage	All 110	volt 60	cycle A.	C.
Capacity	5/8"	1 1/8"	1 1/2"	2"
Weight	9 lbs.	18 lbs.	15 lbs.	20 lbs.
Length	10"	14"	14"	14"
Diameter	3 1/4"	4"	3 1/2"	4"
Blows per min.	3600	3600	3600	3600
Price	$95.00	$155.00	$225.00	$275.00

No. 1816 Hammer



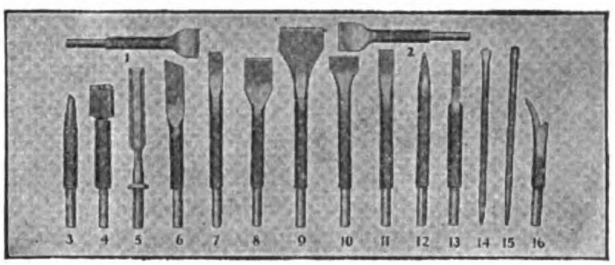
A most popular size with contractors millwrights and maintenance men.

All hammers are complete with Controller 40 ft. Extension Cord, Drill Chuck, Drill Pin, Oil and Carrying Case. Can be supplied for 25 or 40 cycle A.C. current.

For operation on D.C. Current it is necessary to use a rotary converter.

1058	Converter, 110v. D.C., 110v., 60c. A.C.	$45.00
1058	Converter, 220v. D.C., 110v., 60c. A.C.	50.00
1816	Converter, 110v. D.C., 110v., 60c. A.C.	60.00
1818	Converter, 220v. D.C., 110v., 60c. A.C.	70.00

Electric Hammer Tools



	For No. 1058	Price	For No. 1816 & Larger	Price
1. Buhr Stone Dressing Chisel	No. 1L	$5.90	No. 1H	$6.65
2. Buhr Stone Dressing Chisel	No. 2L	5.25	No. 2H	5.90
3. Round Nose Chipping Chisel	No. 3L	1.75	No. 3H	2.25
4. Bush Hammer	No. 4L	3.80	No. 4H	5.10
5. Wood Chisel 3/4 inch	No. 5L	5.35	No. 5H	6.50
6. Mortar Cutting Chisel	No. 6L	5.00	Bo. 6H	5.65
7. Caulking Tool	No. 7L	1.50	No. 7H	2.00
8. Scaling Chisel	No. 8L	3.75	No. 8H	5.65
9. Brick Cleaning Chisel	No. 9L	3.75	No. 9H	5.10
10. 2 inch Cutting Chisel	.....	.....	No. 10H	2.50
11. Cold Chisel	No. 11L	1.50	No. 11H	1.70
12. Stone Point	No. 12L	1.50	No. 12H	1.70
13. Cape Chisel	No. 13L	1.90	No. 13H	2.75
14. Diamond Point Drill	No. 14	.....	1/4x6	.40
	3/8x6	.40	1/2x6	.40
15. Star Drills (See Sizes and Prices Below)	.....	.....	.....	.....
16. Beading Tool	.....	.....	No. 16H	3.15

No. 15 Star Drills

Size In.	1/4 Inch	5/16 Inch	3/8 Inch	7/16 Inch	1/2 Inch	5/8 Inch	3/4 Inch
6	$0.40	$0.40	$0.40	$0.40	$0.40	$0.50	$0.60
9	.40	.40	.40	.40	.45	.60	.70
12	.45	.45	.50	.50	.50	.65	.75
18	.....	.....	.55	.55	.60	.75	.90
24	.....	.....	.....	.90	.70	.95	1.05

Size In.	7/8 Inch	1 Inch	1 1/8 Inch	1 1/4 Inch	1 3/8 Inch	1 1/2 Inch	2 Inch
12	$0.85	$0.90	$0.95	$1.30	$1.55	$1.80	$2.90
18	1.00	1.05	1.20	1.45	1.80	2.20	3.30
24	1.10	1.35	1.45	1.80	3.10	2.90	3.30

When ordering specify the type of hammer, tools are to be used with.

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